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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

What is claimed is:

1.   (Previously Presented) A selective device recognition apparatus in a UPnP based home network, the apparatus comprising:

a network stream processing unit configured to parse a device characteristic data of a device and to read a network transmission possible identifier and a device characteristic identifier; and

a network transmission judging unit configured to compare the read network transmission possible identifier with a preset network transmission possible identifier, to judge whether to perform network transmission of the device characteristic data according to a result of the comparison, and to selectively transmit the device characteristic data when the comparison result of the judging unit indicates the network transmission of the device characteristic data should be performed.

2.   (Previously Presented) The apparatus of claim 1, further comprising:

a network interface configured to receive the device characteristic data transmitted from a home network device; and

a transmission judgment table in which the network transmission possible identifier is matched-recorded with the device characteristic identifier read from the network stream processing unit.

3.   (Previously Presented) The apparatus of claim 1, wherein the network stream processing unit includes:

a preprocessor configured to parse the device characteristic data;

a buffer manager configured to temporally store the device characteristic data parsed in the preprocessor in a buffer and to output a registry signal corresponded thereto; and

an identifier reader configured to search the device characteristic data temporally stored in the buffer according to the registry signal outputted from the buffer manager and read the device characteristic identifier and the network transmission identifier.

4.   (Previously Presented) The apparatus of claim 3, wherein the preprocessor performs parsing of the device characteristic data by device characteristic data units divided by a token(/).

5.   (Previously Presented) The apparatus of claim 1, wherein the network transmission judging unit includes:

a device characteristic identifier detecting module configured to detect a device characteristic identifier that is the same with the device characteristic identifier read from the network stream processing unit;

a network transmission possible identifier comparing module configured to compare the network transmission possible identifier detected by the device characteristic identifier detecting module with the network transmission possible identifier read from the network stream processing unit ; and

a transmission judging module configured to judge whether it is possible to perform the network transmission of the device characteristic data indicated by the device characteristic identifier according to the comparison result.

6.   (Previously Presented) A selective device recognition method in a UPnP based home network, the method comprising:

receiving and parsing a device characteristic data;

reading a device characteristic identifier and a network transmission possible identifier from the parsed device characteristic data; and

comparing the read network transmission possible identifier with a preset network transmission possible identifier, judging whether to perform network transmission of the device characteristic data corresponded to the read device characteristic identifier is performed according to a result of the comparison, and selectively transmitting the device characteristic data when

the comparison result of the judging unit indicates the network transmission of the device characteristic data should be performed.

7.   (Previously Presented) The method of claim 6, wherein parsing the received device characteristic data is performed by device characteristic data units divided by a token(/) or parsing the received device characteristic data is performed by inserting a null string after the token in the parsing step.

8.   (Previously Presented) The method of claim 6, wherein the device characteristic data is a request message for UPnP device recognition in a UPnP CP (control point) device.

9.   (Original) The method of claim 8, wherein the request message includes inherent network transmission possible identifier information per each device characteristic identifier.

10.   (Original) The method of claim 8, wherein the UPnP device includes the network transmission possible identifier, and recognition is judged by the UPnP CP device.

11.   (Previously Presented) The method of claim 8, wherein the UPnP CP device and the UPnP device exist in a same local network.

　　　12.　(Previously Presented) The method of claim 6, wherein the device characteristic data is an advertisement message for notifying a UPnP device itself.

　　　13.　(Original) The method of claim 12, wherein the advertisement message includes inherent network transmission possible identifier information per each device characteristic identifier.

　　　14.　(Previously Presented) The method of claim 6, wherein the network transmission possible identifier of the read device characteristic identifier is compared with a network transmission possible identifier recorded in a transmission judgment table in the network transmission judging step.

　　　15.　(Previously Presented) The method of claim 6, wherein the network transmission judging step includes:

　　　outputting a request message to a UPnP CP (control point) device for a message not having network transmission possible identifier information; and

　　　sequentially comparing each network transmission possible identifier with each network transmission possible identifier of a UPnP device for a message having network transmission possible identifier information and

transmitting a response message to the UPnP CP device according to the comparison result.

16.   (Previously Presented) The method of claim 6, wherein the network transmission judging step includes:

recognizing a UPnP device by a general recognition process for a message not having the network transmission possible identifier information; and

sequentially comparing the network transmission possible identifier information with a network transmission possible identifier of a UPnP CP device when the network transmission possible identifier information is detected and recognizing a pertinent device and a service according to the comparison result.   ·

17. (New) A selective device recognition apparatus in a UPnP based home network, the apparatus comprising:

a network stream processing unit configured to parse a device characteristic data of a device and to read a network transmission possible identifier and a device characteristic identifier; and

a network transmission judging unit configured to compare the read network transmission possible identifier with a preset network transmission possible identifier, to judge whether to perform network transmission of the device characteristic data according to a ·result of the comparison, and to

selectively transmit the device characteristic data when the comparison result of the judging unit indicates the network transmission of the device characteristic data should be performed,

wherein the device characteristic data is transmitted by only a home network device recognizing the network transmission possible identifier.